

NextIO vSTOR™ S200 Application Acceleration Appliance



Ultimate Performance

Over 4M IOP's and up to 19.2TB of Flash Storage in a 4U platform

Reconfigurable

Allowing storage pools to be switched between hosts on-the-fly as datacenter workloads change

Open Standards

SLC and MLC PCIe flash cards from leading vendors

Scalable

Supporting from 1 to 8 servers and up to 16 Solid State Storage devices

Management

Ease of deployment leveraging NextIO nControl™ Management software

Direct Attach Memory Array for Tier 0 Storage

Today's applications have put high demands upon the data center storage infrastructure. As systems become I/O bound application response times are longer and results in a decrease of user productivity and customer satisfaction. NextIO's vSTOR™ S200 is ideally suited to provide faster response times, lower power, higher reliability and large flash storage capacity to dramatically accelerate I/O bound applications.

NextIO's vSTOR™ S200 is a modular memory array that provides the industry's highest performance with over 4 million IOPS of flash based storage. Only NextIO vSTOR™ products allow Solid State Storage devices to be added or reconfigured "On-Demand" to increase the storage capacity or performance. The modular design allows for scalable storage capacity up to 19 TeraBytes of available flash storage in a 4U footprint.

vSTOR S200 Features

The NextIO vSTOR™ appliance provides enterprise class features including serviceability, high capacity and performance. The "hot serviceable" I/O modules allow for ease of upgrades and replacement without incurring system down-time. The appliance supports up to 16 Solid State storage I/O modules and 8 server connections for maximum scalability in a small 4U footprint.

The vSTOR™ S200 product offers direct attach flash storage with the choice of standards based, best-of-class SLC or MLC high performance flash cards for datacenter and dense computing environments.

The nControl management software is at the center of the vSTOR appliance and provides the interface to configure, monitor and manage the flash card storage pool. Industry standard interfaces including web GUI, CLI and SNMP are available to actively manage the NextIO vSTOR™ product.

Enabling Many Applications

The NextIO vSTOR™ appliance is the right choice for structured and unstructured data that require high transaction rates, low latency, fast and predictable response time. Applications that can benefit from the NextIO vSTOR™ include:

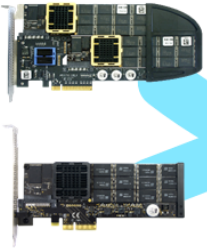
- Content and Video-on-Demand Delivery
- Online Game Hosting
- Databases and Business Intelligence
- High Performance Computing and Design Automation

Lower TCO

The architecture of the NextIO vSTOR™ S200 allows it to outperform any flash or disk array on the market today. This performance advantage translates into lower TCO, better utilization of server resources, and significantly improved customer experiences.

NextIO vSTOR™ S200 Technical Specifications

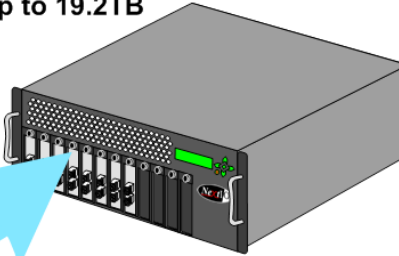
**SLC and MLC
Solid State Storage
320GB – 1.2TB**



**Hot-Serviceable Flash
Modules for Upgrades
and Replacements**



**Scalable Storage
Capacity Up to 19.2TB**



**nControl™
I/O Resource
Manager**



Modules		
Host Interface Module	Single Port x8 PCIe iPASS	Dual Port x4 PCIe iPASS
320SLC Flash Module	<ul style="list-style-type: none"> 320GB Single Level Cell (SLC) Flash Module – 140K IOPS 	
640SLC Flash Module	<ul style="list-style-type: none"> 640GB Single Level Cell (SLC) Flash Module – 270K IOPS 	
640MLC Flash Module	<ul style="list-style-type: none"> 640GB Multi-Level Cell (MLC) Flash Module – 145K IOPS 	
Interfaces		
Server Ports	<ul style="list-style-type: none"> 8 @ 20 Gbps 	<ul style="list-style-type: none"> 16 @ 10 Gbps
Storage Capacity		
5.12 TB	<ul style="list-style-type: none"> 16 – 320SLC Flash Modules 	
10.24 TB	<ul style="list-style-type: none"> 16 – 640SLC Flash Modules 16 – 640MLC Flash Modules 	
19.2 TB	<ul style="list-style-type: none"> 16 – 1200MLC Flash Modules 	
Power		
Input	<ul style="list-style-type: none"> 110 - 240 VAC 47-63 hz Power Supply 	
Active (max)	<ul style="list-style-type: none"> 500W 	
Physical Dimensions		
Height	<ul style="list-style-type: none"> 172.7 mm (6.8") 	
Width	<ul style="list-style-type: none"> 482.6 mm (19") 	
Depth	<ul style="list-style-type: none"> 508 mm (20") 	
Environmental		
Temperature	<ul style="list-style-type: none"> +10oC to 35oC 	
Humidity	<ul style="list-style-type: none"> 8% to 80% non-condensing 	
Altitude	<ul style="list-style-type: none"> 0 to +7,000 feet 	
Management		
Management Access	<ul style="list-style-type: none"> Ethernet 10/100 Mbps 	
Management Access Methods	<ul style="list-style-type: none"> Telnet/SSH WEB GUI SNMP Traps Open API 	